

Basic requirements:

1. There are 2 kinds of users:
 - a. Developer : users who develop and upload the projects(along with their descriptions/ manual)
 - b. Others : users who can search and browse through the projects, rate them, comment on them.
2. Distinction between the 2 kinds of users is your design decision and depends on how do you want to implement the features.
3. For simplicity assume that the project is one file (probably a zip of all files).
4. You can categorise the project depending on a criteria too. (eg: criteria: programming language, categories: java, js, python, C , C++)
5. Projects can be private (accessible to only the uploader), public or accessible to a group of users.
6. Developer can :
 - a. upload a project, specify a category, add Description, Project Manual
 - b. Can add/modify/delete the contents anytime.
 - c. should be able to give access to other students who are his collaborators. The collaborators will also have the access to the project and they can add/modify/delete.
 - d. He can add more projects also.
7. Others can :
 - a. Have a list of categories under which the project are classified. So he can go to each of the category and look for all the projects under that. (categories need to be decide by you)
 - b. search a project by typing appropriate name. The search should not only be based on the name of the project.
 - c. download a project and rate/comment on it.
 - d. can sort the projects on the basis of “most downloaded”, “best rated”, “recently added”, “most commented”.
 - e. see the list of top contributors(students who have uploaded the most number of projects).

Go to sourceforge.net for having a basic idea of the project. You may come up with something new and innovative but along similar lines.